

Preliminary Amendment
PCT/JP99/07108

REMARKS

Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'Richard C. Turner', written over a horizontal line.

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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

The specification is changed as follows:

When the fact of a binary mode has been stored in the analysis processing, the process proceeds to the binary program processing. In this case, a block number (a data index) of binary data to be delivered to the servo control section 103 is updated (step ST39), and it is confirmed whether the binary data in the [data buffer] buffer memory unit 101 has been finished or not. In other words, it is confirmed whether the [data buffer] buffer memory unit 101 is empty or not (step ST40). When the [data buffer] buffer memory unit 101 is not empty, the binary data is copied into a servo communication transmission buffer (step ST44), and a servo communication processing is carried out (step ST45). In this case, in the communications carried out with the servo control section 103, not only the absolute position command but also the move quantity obtained by interpolating the move quantity up to the absolute position in the position control period of the servo control section 103 is transmitted.

When the [data buffer] buffer memory unit 101 is empty, it is checked whether the binary program has been finished or not (step ST41). When the binary program has been finished, the binary mode is canceled (step ST42), and a request for analyzing the next block is issued (step ST46). On the other hand, when the binary program continues, the pointer is updated to the next data buffer storage destination pointer (step ST43). In order to read new binary data, the request for analyzing the next block is set up (step ST46), and the binary data is set up in the analysis processing.